

Title (en)
SECONDARY BATTERY AND DEVICE INCLUDING SAME

Title (de)
SEKUNDÄRBATTERIE UND VORRICHTUNG DAMIT

Title (fr)
BATTERIE SECONDAIRE ET DISPOSITIF LA COMPRENANT

Publication
EP 4007034 A1 20220601 (EN)

Application
EP 20888979 A 20201020

Priority
• KR 20190149721 A 20191120
• KR 2020014318 W 20201020

Abstract (en)
A secondary battery according to one embodiment of the present disclosure includes: a jelly-roll type electrode assembly; a top insulator located at the top of the electrode assembly; and a bottom insulator located at the bottom of the electrode assembly, wherein at least one of the top insulator and the bottom insulator includes a temperature-sensitive polymer that swells in accordance with a temperature rise.

IPC 8 full level
H01M 10/0587 (2010.01)

CPC (source: CN EP KR US)
H01M 10/0422 (2013.01 - EP US); **H01M 10/0431** (2013.01 - EP US); **H01M 10/0525** (2013.01 - CN); **H01M 10/0587** (2013.01 - CN EP KR); **H01M 50/121** (2021.01 - US); **H01M 50/14** (2021.01 - US); **H01M 50/172** (2021.01 - KR); **H01M 50/474** (2021.01 - EP); **H01M 50/486** (2021.01 - CN EP); **H01M 50/529** (2021.01 - EP); **H01M 50/538** (2021.01 - EP); **H01M 50/572** (2021.01 - KR); **H01M 50/581** (2021.01 - KR); **H01M 50/586** (2021.01 - EP); **H01M 50/593** (2021.01 - EP); **H01M 2200/10** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

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EP 4007034 A1 20220601; **EP 4007034 A4 20230719**; CN 114424381 A 20220429; JP 2022545189 A 20221026; JP 7364157 B2 20231018; KR 20210061779 A 20210528; US 2022367901 A1 20221117; WO 2021101082 A1 20210527

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